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## **CLAIMS**

- 1. A helmet comprising a shock absorbing element and means associated therewith to provide an indication of the impact status or history of the helmet.
- 2. A helmet according to Claim 1, wherein the said means comprises an electrical impact sensor.
  - 3. A helmet according to Claim 2, wherein the electrical impact sensor comprises at least one capacitor, the electrical capacitance of which changes in the event of an impact.
- 4. A helmet according to Claim 2, wherein the electrical impact sensor10 comprises a strain gauge sensitive to the occurrence of an impact.
  - 5. A helmet according to Claim 4, wherein the strain gauge incorporates a piezo electric component.
- 6. A helmet according to Claim 2, wherein the electrical impact sensor comprises a quantum tunnelling material, and monitoring means arranged to monitor the electrical properties of the quantum tunnelling material.
  - 7. A helmet according to any one of Claims 2 to 6, further comprising a memory arranged to record data representative of the occurrence of impacts.
  - 8. A helmet according to any one of Claims 2 to 7, further comprising a monitoring unit arranged to monitor the output of the impact sensor.

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- 9. A helmet according to Claim 8, wherein the monitoring unit is connected to the impact sensor periodically.
- 10. A helmet according to any one of Claims 2 to 9, further comprising a warning device arranged to trigger a warning in the event that the impact sensor has detected
- 5 the occurrence of an impact of magnitude greater than a predetermined magnitude.
  - 11. A helmet according to Claim 1, wherein the said means comprises a component the state of which changes in the event of an impact exceeding a predetermined threshold, the state of the component being apparent to a user of the helmet.
- 10 12. A helmet according to Claim 11, wherein the change in state of the component is visibly apparent.
  - 13. A helmet according to Claim 12, wherein the helmet includes a transparent element to allow the state of the component to be determined.
- 14. A helmet according to any one of Claims 12 and 13, wherein the colour ofthe component changes in the event of an impact.
  - 15. A helmet according to Claim 12 or Claim 13, wherein the component is arranged to break, crack, shatter or otherwise visibly deform in the event of an impact.
  - 16. A helmet according to Claim 12 or Claim 13, wherein the component

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includes at least one rupturable ink or dye reservoir arranged to rupture, break, leak or overflow in the event of an impact.

17. A helmet substantially as hereinbefore described with reference to the accompanying drawings.